UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/480,644	01/10/2000	Richard Allen Dunlap	CISCP118	4562

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EXAMINER
SING, SIMON P

ART UNIT	PAPER NUMBER
2645	7

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Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.		Applicant(s)	
Office Action Summary	09/480,644		DUNLAP, RICHARD ALLEN	
	Examiner		Art Unit	
	Simon Sing		2645	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *17 February 2004*.

2a)☒ This action is **FINAL**.　　2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-7 and 10-28* is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-7 and 10-28* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All　b)☐ Some * c)☐ None of:

　　　1.☐ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
　　　　application from the International Bureau (PCT Rule 17.2(a)).

　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1.   Claim 10 recites the limitation "the line processing object" in lines 2. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2.   Claims 1-7, 8-20 and 22-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Chewning III et al. US 5,416,831.

2.1   Regarding claims 1 and 26, Chewning discloses an ADSI compatible telephone 14 for communicating with a service node in figures 1 and 12 (column 3, lines 20-67; column 4, lines 1-5, 16-22; column 21, lines 22-38). Chewning teaches:

updating displayed textual information by selecting a soft key by a user on the telephone that is associated with desired information (column 6, lines 28-31; column 8, lines 45-49) (detecting a menu selecting form a menu on the telephone is selected);

interacting with a user through the information choices made with defined soft

keys 27 (column 6, lines 26-28) and downloading one or more virtual pages to the

telephone, display information and accompanying soft key function definitions (column

3, lines 24-26; column 6, lines 5-60; column 7, lines 24-41); (creating a message based

on the menu selection and passing the message to a menu processing object (an

internal application), creating an event based on the menu selection);

displaying an appropriate menu label set and a plane display on a display

monitor 26 of said telephone (figures 31-32; column 6, lines 24-31; column 4, lines 16-

22; column 22, lines 50-68; column 23, lines 1-10);

the menu process object determining which mode from the plurality of modes

(voice or data) is presently active in the telephone (column 3, lines 27-34), wherein the

event is associated with a soft key and the event is processed by a call manager object

(adjunct processor) outside the telephone 14 (column 3, lines 51-64; column 4, lines 16-

22).

2.2   Regarding claim 2, as discussed in claim 1, Chewning teaches a line processing

object (adjunct processor) for detecting the menu selection was selected (column 7,

lines 24-41).

2.3   Regarding claim 3, Chewning teaches that the telephone transmits a command

signal (menu processing object is reside on the telephone) over a telephone line

(column 3, lines 51-57; column 6, lines 51-66; column 7, lines 24-41; column 12, lines 1-13).

2.4   Regarding claim 4, Chewning teaches downloading information including menus and soft key labels (column 6, lines 24-31; column 8, lines 45-49).

2.5   Regarding claim 5, Chewning teaches displaying menu label sets (column 8, lines 45-49).

2.6   Regarding claim 6, Chewning teaches transmitting a command signal over a telephone line when a soft key is pressed (column 3, lines 51-57; column 6, lines 24-28).

2.7   Regarding claim 7, it is inherent that when a telephone comprises more than one telephone lines, the multilane telephone will be able to detect which is in use.

2.8   Regarding claim 10, Chewning teaches sending information to the telephone (column 3, lines 24-31).

2.9   Regarding claim 11, Chewning teaches a plurality of modes in figures 31-32.

2.10   Regarding claim 12, Chewning teaches a setting mode (31D and 31E, figure 31),

a directories mode (32A, figure 32), a service mode (31A, figure 31) and a messages

mode (31C and 31f, figure 31) (column 28, lines 7-68; column 29, lines 52).

2.11   Regarding claims 13 and 25, Chewning discloses an ADSI compatible telephone

14 for communicating with a service node in figures 1 and 12 (column 3, lines 20-67;

column 4, lines 1-5, 16-22; column 21, lines 22-38). Chewning teaches:

        storing a plurality of soft key label sets wherein a set key label set has a

particular context (functions), includes a plurality of text strings and retrieving a soft key

label set based on the particular context form a call manger object (application based on

a service node) (column 3, lines 51-64, column 4, lines 16-22; column 6, lines 24-31,

51-66; column 7, lines 24-41).

2.12   Regarding claim 14, Chewning teaches that and a soft key selection is evoked by

a line handler object (application that detecting a soft key input) and a call plane object

9application sending a command to a service node) (column 3, lines 51-57; column 6,

lines 24-31).

2.13   Regarding claim 15, it is inherent that an application residing on the telephone

invokes a valid mask (erasing (white-out) the display before displaying new labels).

2.14   Regarding claim 16, Chewning teaches that soft key labels are stored remotely

(column 3, lines 52-64; column 4, lines 16-22; column 7, lines 24-34).

2.15   Regarding claim 17, Chewning teaches that soft key labels are stored remotely,

and is retrieved by an index (a software pointer which points to the memory area where

the soft key labels are stored) based on a soft key input (context) (column 3, lines 52-

64; column 4, lines 16-22; column 7, lines 24-34; column 8, lines 45-49).

2.16   Regarding claim 18, it is inherent that in order to display a new set of labels, old

labels will be erased (white-out, or invalidated), before the new set of labels are written

to the memory of the display.

2.17   Regarding claim 19, Chewning teaches determining the particular context (soft

key function) the telephone is in at any given time during an operation (column 7, lines

24-41).

2.18   Regarding claim 20, Chewning teaches examining a database of a service

provider associated with the telephone to determine the context (soft key function) the

telephone is in at any given time during an operation (column 7, lines 24-41).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

3.   Claims 21, 27 and 28 rejected under 35 U.S.C. 103(a) as being unpatentable

over Chewning III et al. US 5,416,831 in view of Gorman et al. US 6,370,149.

3.1   Regarding claims 21 and 27, Chewning discloses an ADSI compatible telephone

14 for communicating with a service node in figures 1 and 12 (column 3, lines 20-67;

column 4, lines 1-5, 16-22; column 7, lines 24-41; column 21, lines 22-38). Chewning

teaches a data structure comprising:

a first segment displaying header information (Voice Monitor and Call Screening)

(31C and 31D, figure 31);

a second segment display status information (OFF and ON) (31C and 31D, figure

31); and

a third segment for displaying labels for a soft key set (TURNON EXIT, and

TURNOFF CHGLIST EXIT) (31C and 31D, figure 31), the soft keys being processed by

a call manage object which resides outside the telephone (column 4, lines 24-41).

Chewning fails to teach displaying information relating to a plurality of telephone

lines.

However, Gorman discloses a multi-line telephone in figures 7 and 8 (column 9, lines 19-58). Gorman teaches displaying the information of a plurality of telephone lines (column 10, lines 10-17).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the Chewning's reference with the teaching of Gorman, so that information relating to a plurality of telephone lines would have been displayed when a telephone equipped with multi-line capabilities, because such a modification would have provided a user with information, such as the availability of the lines.

3.2   Regarding claim 28, as discussed in claim 27, the Chewning's reference, modified by Gorman, teaches displaying information relating to a plurality of telephone lines. The information includes an active mode segment for displaying on of a plurality of modes (VOICE or FAX), a line detail segment (telephone number or LINE AVAILABLE), and an overview of all calls on the telephone (Gorman, figure 8).

Conclusion

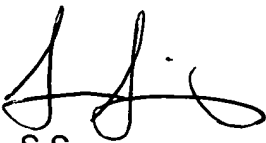6.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a)   Braun et al. US 5,524,141 teaches that screen based telephones comprise screen display an context sensitive soft keys and the telephone screen

displays provide users with context sensitive menus, step by step prompts, visual

indicators or services status etc (column 2, lines 53-58).

      b)   Pezzullo et al. US 6,064,732 teaches that subscribers respond to

prompting message and control the flow of application information to their terminal

displays by pressing softkeys. The softkeys change their function depending on the

service requested. New functions are indicated by display based labels downloaded

from a service during an interactive session, and softkeys are indexed to a softkey table

(column 7, lines 9-54).

7.   Any inquiry concerning this communication or earlier communication from the

examiner should be directed to Simon Sing whose telephone number is (703) 305-3221.

The examiner can normally be reached on Monday - Friday from 8:30 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Fan Tsang, can be reached at (703) 305-4895. The fax phone number for

the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 305-4750.

S.S.
05/03/2004

FAN TSANG
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